

Staff Report

for the Board of Directors' Meeting of May 10, 2017

TO: Board of Directors
FROM: Gary D. King, Engineering Manager
Adrian Schneider, Senior Engineer
DATE: May 3, 2017

SUBJECT: Maben Canal Rehabilitation (WO# 8099)

ENGINEERING

RECOMMENDATION:

Approve a contract with Hansen Bros. Enterprises (HBE) in the amount of \$647,912 for the Maben Canal Rehabilitation Project, and authorize the General Manager to sign the appropriate documents.

BACKGROUND:

The 2,500-foot Maben Canal segment between Highway 49 and Lime Kiln Road has been burdened over many decades with poor access, numerous breaches due to uprooted trees, low freeboard, and limited capacity. The Lime Kiln canal is connected downstream, and both canal systems have a freeze on capacity due to the limitations.

Construction plans and specifications were sent out for bidding to nine contractors on March 17, 2017. Quotes were received from the following four contractors on April 28, 2017:

Hansen Bros. Enterprises	\$ 647,912
Western Engineering	\$ 816,300
C&D Contractors	\$ 956,810
T&S Construction	\$1,107,200

It is the recommendation of staff to award Hansen Bros. Enterprises for this project.

BUDGET IMPACTS:

The Maben Canal Rehabilitation project is budgeted in the 2017 Raw Water System Improvement program at \$900,000. There are adequate funds in this program for this year.

Attachment: April 28, 2017 – Quote Summary

MABEN CANAL REHABILITATION PROJECT

QUOTE SUMMARY

4/28/2017

	Item	Descriptions	Qty.	Unit	Hansen Bros. Enterprises		Western Engineering		C&D Contractors		T&S	
					Cost/Unit	Cost	Cost/Unit	Cost	Cost/Unit	Cost	Cost/Unit	Cost
Base Quote - Ductile Iron	1	Mob/Demob	1	LS		\$5,000		\$5,000		\$5,000		\$5,000
	2	Flow Bypass (3 cfs)	1	LS	\$111,606	\$111,606	\$126,000	\$126,000	\$148,910	\$148,910	\$140,000	\$140,000
	3	Tree Removal	1	LS	\$98,322	\$98,322	\$117,500	\$117,500	\$197,350	\$197,350	\$173,000	\$173,000
	4	Private Access Road Replacement	2	EA	\$1,066.50	\$2,133	\$2,300	\$4,600	\$6,370	\$12,740	\$5,000	\$10,000
	5	Furnish & Install 18" Ductile Iron Pipe	2460	LF	\$143	\$351,780	\$190	\$467,400	\$196.00	\$482,160	\$270	\$664,200
	6	Furnish & Install Access Vault	5	EA	\$6,704	\$33,520	\$7,000	\$35,000	\$10,350	\$51,750	\$7,200.00	\$36,000
	7	Furnish & Install Access Vault with Service	4	EA	\$7,657	\$30,628	\$7,000	\$28,000	\$12,570	\$50,280	\$11,000	\$44,000
	8	SWPPP & BMP Measures	1	LS	\$14,923	<u>\$14,923</u>	\$32,800	<u>\$32,800</u>	\$8,620	<u>\$8,620</u>	\$35,000	<u>\$35,000</u>
					\$647,912		\$816,300		\$956,810		\$1,107,200	
Alternate Quote - HDPE	1	Mob/Demob	1	LS		\$5,000		\$5,000		\$5,000		\$5,000
	2	Flow Bypass (3 cfs)	1	LS	\$111,606	\$111,606	\$126,000	\$126,000	\$148,910	\$148,910	\$140,000	\$140,000
	3	Tree Removal	1	LS	\$98,534	\$98,534	\$113,000	\$113,000	\$197,350	\$197,350	\$173,000	\$173,000
	4	Private Access Road Replacement	2	EA	\$1,442	\$2,884	\$2,300	\$4,600	\$6,370	\$12,740	\$5,000	\$10,000
	5	Furnish & Install 20" HDPE Pipe	2460	LF	\$152	\$373,920	\$290	\$713,400	\$163	\$400,980	\$244	\$600,240
	6	Furnish & Install Access Vault	5	EA	\$7,224	\$36,120	\$7,000	\$35,000	\$10,350	\$51,750	\$7,200	\$36,000
	7	Furnish & Install Access Vault with Service	4	EA	\$8,184	\$32,736	\$7,000	\$28,000	\$12,570	\$50,280	\$11,000	\$44,000
	8	SWPPP & BMP Measures	1	LS	\$14,923	<u>\$14,923</u>	\$32,800	<u>\$32,800</u>	\$8,620	<u>\$8,620</u>	\$35,000	<u>\$35,000</u>
					\$675,723		\$1,057,800		\$875,630		\$1,043,240	